

The Neuse River exceeded flood stage at a few points and the Cape Fear River crested at a stage of 26.0 feet at Elizabethtown, N. C., on February 8, but did not reach flood stage at stations farther downstream.

Rains averaging about an inch over the Yadkin and upper Pee Dee River Basins on the 6th produced moderate rises in these streams with a crest of 32.3 feet at Cheraw, S. C., on the 7th. No damage was reported.

Rainfall averaged from 2 to 2.5 inches over the Saluda, Broad, and Catawba River Basins on the 6th and caused the Saluda and Broad Rivers to exceed flood stages slightly at a few points. Overflow was slight and no damage was reported.

The Savannah River at Butler Creek, Ga., exceeded flood stage on February 7-8, as a result of precipitation averaging from 1 to 1.5 inches over the basin on the 5th and 6th. Damage was light, being confined mostly to suspension of business.

Moderate rises continued in the Ocmulgee, Oconee, and Altamaha Rivers during the early part of February as a result of precipitation that occurred near the end of January.

*East Gulf of Mexico drainage.*—The Apalachicola River continued above flood stage at Blountstown, Fla., until the middle of February due to a very slow recession from a crest of 21.9 feet that occurred on January 24. High stages were prolonged by further rains on January 28, and again on February 4 and 5. The only loss from the high stages was the suspension of small industries in the vicinity of Blountstown.

Moderate rains, averaging from 1.5 to 2 inches over the middle Tombigbee and Pearl River Basins on February 4 and 5 caused slight overflows in those streams. The crest in the Tombigbee reached 38.2 feet on February 10 at Lock No. 3; no damage resulted. Overflow in Bogue Chitto River at Franklinton, La., and the Pearl River at Pearl River, La., resulted in little or no loss.

*Mississippi system.*—Two periods of unusually warm weather during February that resulted in considerable run-off from the heavy snow cover over southwestern Wisconsin raised the Rock River at Moline, Ill., above flood stage from February 8 to 18, and again from February 21 to March 4. The highest stage reached was 11.4 feet on February 25, and no damage of consequence was reported.

Moderate flooding occurred in the Skunk, Des Moines, Illinois, Big Sioux, Floyd, Boyer, Elkhorn, Little Missouri, Heart, Yellowstone, Grand, and Missouri Rivers and at Louisiana and Hannibal, Mo., on the Mississippi River. The flooding resulted mainly from the formation of ice jams in the streams and the overflows, being local, caused little damage in most cases.

The unusually warm period in the Dakota, and Montana from February 17 to 23, melted a great deal of snow in the low-lying areas and swelled the Yellowstone and Little Missouri Rivers in some places to record stages. The peak on the Yellowstone River at Sidney, Mont., exceeded the usual high water flow for that station in June and the Little Missouri at Marmarth, N. Dak., was the highest that has ever been observed. Ice jams of large proportions occurred on both streams. It is estimated that some \$20,000 worth of property, mostly livestock and other farm property, was lost as a result of the rapid rise in the Little Missouri. A farm home was destroyed and 800 head of sheep lost in Richland County, Mont., when flood waters inundated several farms along the Yellowstone River as a result of water backing up from its junction with the Missouri River, following the breaking of ice

jams between Billings and Miles City, Mont. Loss in this area was estimated at \$9,300.

Ice jams occurred on most of the streams in Iowa and some lowlands were inundated in the lower Des Moines River Basin.

*Pacific slope drainage.*—The Sacramento River at Knights Landing, Calif., remained slightly above flood stage on February 1. This was a continuation of the flood of January 1943.

Rains during the first part of February were followed by moderate flooding of the streams in western Oregon. No damage was reported.

#### FLOOD-STAGE REPORT FOR FEBRUARY 1943

[All stages in February unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
ST. LAWRENCE DRAINAGE					
Lake Huron					
Flint: Columbiaville, Mich. ....	Feet 10	23	27	Feet 10.6	25
ATLANTIC SLOPE DRAINAGE					
Connecticut: White River Junction, Vt. ....	18	25	25	18.4	25
Mohawk: Tribes Hill, N. Y. ....	23	24	24	24.8	24
Chenango:					
Sherburne, N. Y. ....	8	24	25	8.7	24
Greene, N. Y. ....	8	24	26	10.0	25
Binghamton, N. Y. ....	16	25	25	16.2	25
Susquehanna:					
Oneonta, N. Y. ....	12	23	27	16.0	24-25
Bainbridge, N. Y. ....	12	25	25	13.7	25
Vestal, N. Y. ....	14	24	26	17.7	25
James: Columbia, Va. ....	10	2	12	16.8	7
Roanoke:					
Randolph, Va. ....	21	6	8	25.0	6
Weldon, N. C. ....	31	6	10	38.3	9
Williamston, N. C. ....	10	Jan. 31	23	11.9	13
Neuse:					
Neuse, N. C. ....	14	7	9	14.9	8-9
Smithfield, N. C. ....	13	Jan. 29	2	15.0	{ Jan. 29
	13	7	11	15.0	{ Feb. 1
	14	1	5	15.0	{ 9-10
Goldsboro, N. C. ....	14	10	14	15.0	{ 4
		(?)	2	16.0	{ 13
Kinston, N. C. ....	14	5	8	14.3	{ Jan. 27-
		15	15	14.0	{ Feb. 2,
Cape Fear: Lock No. 2, Elizabethtown, N. C. ....	20	Jan. 30	2	25.0	{ 15
Pee Dee:					
Cheraw, S. C. ....	30	7	8	32.3	8
Mars Bluff Bridge, S. C. ....	17	(?)	16	20.2	7
				19.8	3
Poston, S. C. ....	18	(?)	17	20.0	11
				19.8	8
Saluda:					
Pelzer, S. C. ....	6	5	8	6.8	15
Chappells, S. C. ....	13	5	7	16.3	7
Broad: Blairs, S. C. ....	14	6	7	15.6	6
Savannah: Butler Creek, Ga. ....	21	7	8	21.9	7
Ogeechee: Dover, Ga. ....	7	(?)	15	8.8	Jan. 25
				7.5	8-9
Ocmulgee: Abbeville, Ga. ....	11	(?)	7	16.1	Jan. 25
Oconee: Mount Vernon, Ga. ....	16	4	6	12.7	4
				16.7	5
Altamaha:					
Charlotte, Ga. ....	12	(?)	18	21.4	Jan. 29
Everett City, Ga. ....	10	Jan. 30	16	17.0	6
				12.7	3
EAST GULF OF MEXICO DRAINAGE					
Apalachicola: Blountstown, Fla. ....	15	(?)	16	17.2	10-11
Tombigbee: Lock No. 3, Ala. ....	33	7	12	38.2	10
Bogue Chitto: Franklinton, La. ....	11	6	8	12.4	7
Pearl: Pearl River, La. ....	12	9	14	15.0	12
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Rock: Moline, Ill. ....	10	{ 8	18	10.7	12-18
		21	Mar. 4	11.3	25
Skunk: Augusta, Iowa. ....	15	{ 4	9	20.0	6
		12	13	16.2	12
Des Moines:					
Eddyville, Iowa. ....	15	{ 4	16	21.7	5
		20	27	18.0	27
Tracy, Iowa. ....	14	5	8	15.8	6

See footnotes at end of table.

## FLOOD-STAGE REPORT FOR FEBRUARY 1943—Continued

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI SYSTEM—continued					
Upper Mississippi Basin—Continued					
Illinois:	Feet			Feet	
Beardstown, Ill.....	14	6	24	16.3	14
Morris, Ill.....	13	6	8	15.2	7
Peru, Ill.....	17	4	15	19.5	7
Peoria, Ill.....	18	11	12	18.1	12
Havana, Ill.....	14	8	22	17.1	18
Mississippi:		Jan. 27	1	13.5	Jan. 28-30
Hannibal, Mo.....	13	4	7	14.2	5
		17	19	14.2	18
		7	9	12.8	8
Louisiana, Mo.....	12	14	22	13.5	15
				14.2	20
Missouri Basin					
Big Sioux: Akron, Iowa.....	12	22	24	15.3	24
Floyd: James, Iowa.....	14	3	5	16.4	4
Grand: Chillicothe, Mo.....	18	22	23	17.9	22
Missouri: Nebraska City, Nebr.....	15	4	5	21.2	4
		6	6	15.6	6
Ohio Basin					
West Fork: Clarksburg, W. Va.....	5	1	1	5.0	1
West Fork White: Edwardsport, Ind.....	12	5	7	13.2	6

Footnotes at end of table.

## FLOOD-STAGE REPORT FOR FEBRUARY 1943—Continued

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI SYSTEM—continued					
Lower Mississippi Basin					
Wolf: Rossville, Tenn.....	Feet 9	7	7	Feet 9.0	7
PACIFIC SLOPE DRAINAGE					
Sacramento Basin					
Sacramento: Knights Landing, Calif....	30	Jan. 30	2	30.5	Jan 31
Columbia Basin					
Long Tom: Monroe, Oreg.....	10	( <sup>1</sup> )	22	12.4	8
Santiam: Jefferson, Oreg.....	13	6	8	17.3	7
Luckiamute: Suver, Oreg.....	25	6	9	29.4	7
		12	12	25.3	12
Yamhill:					
Williamina, Oreg.....	8	6	7	10.4	6
Whiteson, Oreg.....	38	7	8	41.4	7
Willamette:					
Harrisburg, Oreg.....	10	5	5	10.7	5
Oregon City, Oreg.....	12	7	10	13.0	9

<sup>1</sup> Ice gorge below gage.<sup>2</sup> Continued from January.<sup>3</sup> Fell slightly below flood stage on 2d.